SIM8-01

During the development phase of systems using the 8008, Intel's single chip 8-bit parallel central processor unit, both hardware and software must be designed. Since many systems will require similar memory and I/O interface to the 8008, Intel has developed a prototyping system, the SIM8-01. Through the use of this system and Intel's programmable and erasable 1702A ROMs, MCS-8 systems can be completely developed and checked out before committing to mask programmed 1302 ROMs.

The SIM8-01 is a complete byte-oriented computing system including the processor (8008), 1K x 8 memory (1101), six I/O ports (two in and four out), and a two-phase clock generator. Sockets are provided for 2K x 8 of ROM or PROM memory for the system microprogram. The following block diagram shows the basic configuration of the SIM8-01. All interface logic for the 8008 to operate with standard ROM and RAM memory is included on the board.

SIM8-01 Specifications

Card Dimensions:
- 11.5 inches high
- 9.5 inches deep

System Components Included on Board:
- 8008-1
- Complete TTL interface to memory
- 1K x 8 RAM memory
- Sockets for 2K x 8 PROM memory
- TTY interface ckts.
- Two input and four output ports
- Two phase clock generator

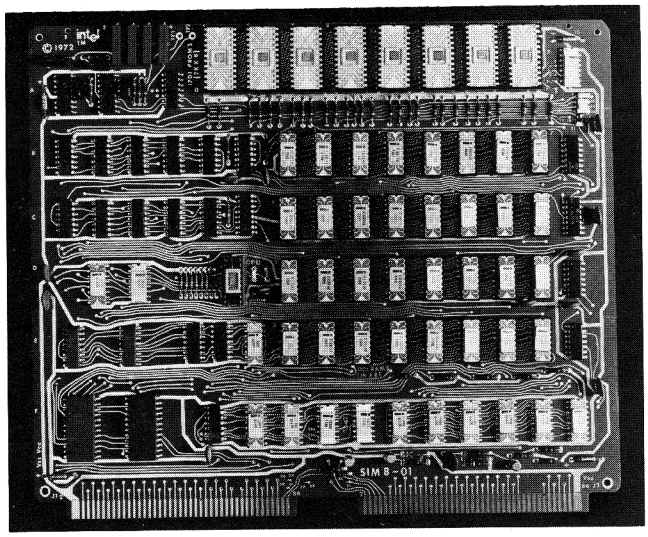
Maximum Memory Configuration:
- 1K x 8 RAM
- 2K x 8 PROM
- All control lines are provided for memory expansion

Operating Speed
- 2 μs clock period
- 20 μs typical instruction cycle

D.C. Power Requirement:
- Voltage:
  V_{CC} = 5V ±5%
  TTL GRD = 0V
  V_{DD} = −9V ±5%
- Current:
  Eight ROMs

	Typical	Maximum
I_{CC} =	2.5 amps	4.0 amps.
I_{DD} =	1.0 amps	1.5 amps.

Connector:
- Wire wrap type Amphenol 86 pin connector P/N 261-10043-2



SIM8-01